

REDSTONE GATEWAY

PACKAGE 1 A- MASS GRADING AND EROSION CONTROL PACKAGE (UNSECURE AREA)

FOR THE
CITY OF HUNTSVILLE
HUNTSVILLE, ALABAMA

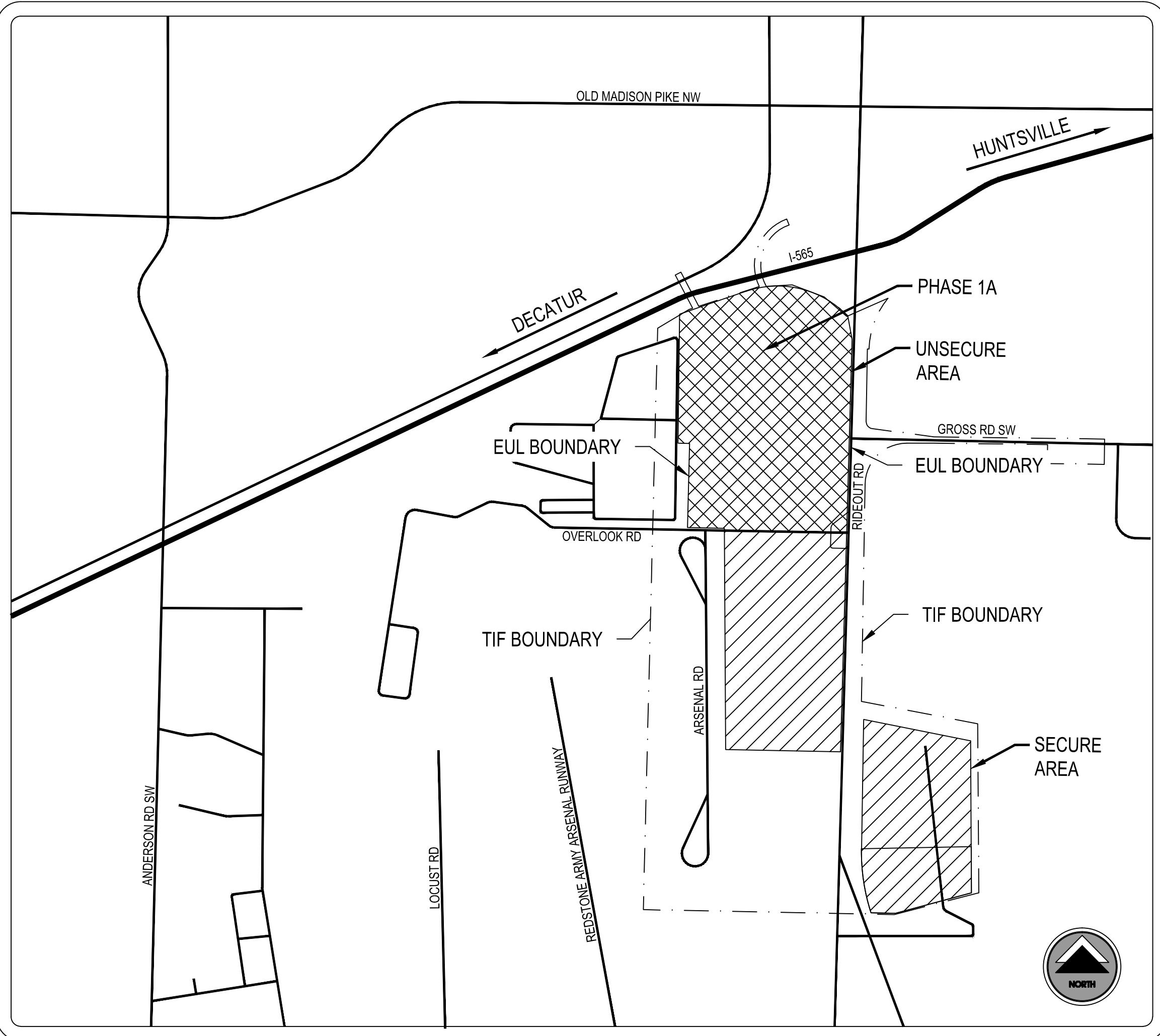
ISSUE FOR CONSTRUCTION



LBYD, INC. PROJECT NO. 302-10-002A
CITY OF HUNTSVILLE PROJECT NO. 65-10-SP21

NOVEMBER 12, 2010

NOTE:
• FOR PLOTTING PURPOSES GRAY SHADES ARE PRESENT
• FULL SIZE 36" X 48" SHEETS

LOCATION MAP	PROJECT TEAM	DRAWING INDEX
	<p>OWNER: CITY OF HUNTSVILLE 302 FOUNTAIN CIRCLE HUNTSVILLE, AL 35801 PHONE: (256) 427-5300 CONTACT: SHANE DAVIS, PE EMAIL: SHANE.DAVIS@HUNTSVILLEAL.GOV CONTACT: RON ADAMS, PE EMAIL: RON.ADAMS@HUNTSVILLEAL.GOV CONTACT: CHRIS MCNEESE, PE EMAIL: CHRISTOPHER.MCNEESE@HUNTSVILLEAL.GOV</p> <p>DEVELOPER: LW REDSTONE, LLC 305 CHURCH STREET SW SUITE 719 HUNTSVILLE, AL 35801 CONTACT: GREG HALL PHONE: (404) 578-6501 EMAIL: GREG.HALL@COPT.COM</p> <p>CIVIL ENGINEER: LBYD, INC. 305 CHURCH STREET SW SUITE 719 HUNTSVILLE, AL 35801 MAIN: (256) 533-1575 CONTACT: TIM ROBERTS, PE PHONE: (256) 533-1575 EMAIL: TIMROBERTS@LBYD.COM CONTACT: RICK NAIL, PE PHONE: (256) 488-0238 EMAIL: RICK.NAIL@LBYD.COM CONTACT: BRIAN HATCHER, PE PHONE: (256) 488-4601 EMAIL: BHATCHER@LBYD.COM</p> <p>PROJECT MANAGER: BRASFIELD AND GORRIE L.L.C. 3021 7TH AVENUE SOUTH BIRMINGHAM, AL 35203 MAIN: (205) 328-4000 CONTACT: MATT KELLEY PHONE: (205) 714-1322 EMAIL: MKELLEY@BRASFIELDGORRIE.COM CONTACT: BRENT JONES PHONE: (205) 714-1038 EMAIL: BRJONES@BRASFIELDGORRIE.COM</p> <p>TRAFFIC CONSULTANT: SKIPPER CONSULTING, INC. 344 VANN ROAD SUITE 100 BIRMINGHAM, AL 35205 MAIN: (205) 656-8855 CONTACT: DARREL SKIPPER, PE EMAIL: DARREL@SKIPPERINC.COM CONTACT: CODY LONG, PE EMAIL: CODY@SKIPPERINC.COM</p> <p>GEOTECHNICAL ENGINEER: BUILDING AND EARTH SCIENCES 2077 LEEBMAN FERRY ROAD, SUITE 5 HUNTSVILLE, AL 35801 MAIN: (256) 715-0059 CONTACT: DON BROWN, PE PHONE: (256) 536-4300 EMAIL: DONBROWN@BUILDINGANDEARTH.COM</p> <p>SURVEYOR: BUSBIN ENGINEERING AND SURVEYING, INC. 524 MERIDIAN STREET N HUNTSVILLE, AL 35801 MAIN: (256) 533-1099 CONTACT: CAREY BUSBIN, PE/PLS EMAIL: CAREYBUSBIN@BELLSOUTH.NET</p> <p>LANDSCAPE ARCHITECT: GREENVIEW STUDIO LANDSCAPE ARCHITECTURE PO BOX 260 FAIRHOPE, AL 36533 PHONE: (251) 823-7307 CONTACT: LORI SHINDIGER, LA EMAIL: LORI@GREENVIEWSTUDIO.COM</p> <p>REDSTONE GARRISON: DIRECTORATE OF PUBLIC WORKS 4488 MARTIN ROAD REDSTONE ARSENAL, AL 35898 CONTACT: CRAIG NORTHRIDGE PHONE: (256) 955-8504 EMAIL: CRAIG.NORTHRIDGE@US.ARMY.MIL</p>	<p>T1.0 COVER SHEET C1.0 PROJECT GENERAL NOTES C2.0 OVERALL EXISTING CONDITIONS PLAN C3.0 OVERALL DEMOLITION PLAN C4.0 OVERALL LAYOUT PLAN C4.1 LAYOUT AND COORDINATE PLAN C4.2 LAYOUT AND COORDINATE PLAN C4.3 LAYOUT AND COORDINATE PLAN C4.4 LAYOUT AND COORDINATE PLAN C4.5 VISITOR CENTER ACCESS PLAN C4.6 TRAFFIC LOGISTICS PLAN C4.7 STRIPING AND SIGNAGE PLAN C4.8 FENCING PLAN C5.0 BOULEVARD "A" - TYPICAL SECTIONS C5.1 BOULEVARD "A" - PLAN AND PROFILE (STA 0+00 TO 20+00) C5.2 BOULEVARD "A" - PLAN AND PROFILE (STA 20+00 TO 41+00) C5.3 VISITOR CENTER ACCESS DRIVE - PLAN AND PROFILE (STA 0+00 TO END) C6.0 OVERALL MASS GRADING AND STORM DRAINAGE PLAN C6.1 MASS GRADING AND STORM DRAINAGE PLAN C6.2 MASS GRADING AND STORM DRAINAGE PLAN C6.3 MASS GRADING AND STORM DRAINAGE PLAN C6.4 MASS GRADING AND STORM DRAINAGE PLAN C6.5 MASS GRADING COMPACTION PLAN C7.0 OVERALL UTILITY PLAN C7.1 UTILITY PLAN C8.0 EROSION CONTROL PLAN - PRE CLEARING PHASE C8.1 EROSION CONTROL PLAN - INITIAL PHASE C8.2 EROSION CONTROL PLAN - INTERMEDIATE PHASE C8.3 EROSION CONTROL PLAN - FINAL PHASE C9.0 BOULEVARD "A" - CROSS SECTIONS (STA 0+00 TO 9+50) C9.1 BOULEVARD "A" - CROSS SECTIONS (STA 10+00 TO 19+50) C9.2 BOULEVARD "A" - CROSS SECTIONS (STA 20+00 TO 29+50) C9.3 BOULEVARD "A" - CROSS SECTIONS (STA 30+00 TO 39+50) C9.4 BOULEVARD "A" - CROSS SECTIONS (STA 40+00 TO 49+50) C10.0 STORM PROFILES C11.0 CIVIL DETAILS C11.1 CIVIL DETAILS C11.2 CIVIL DETAILS C11.3 CIVIL DETAILS C11.4 CIVIL DETAILS C11.5 CIVIL DETAILS C12.0 SURVEY</p>


CORPORATE OFFICE
PROPERTIES TRUST


Jim Wilson & Associates, LLC

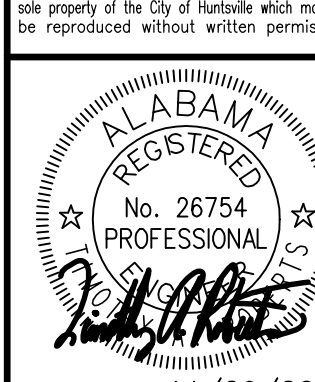



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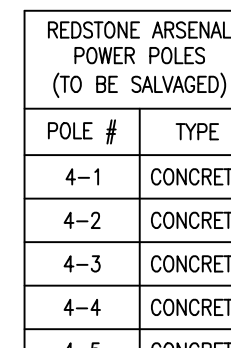


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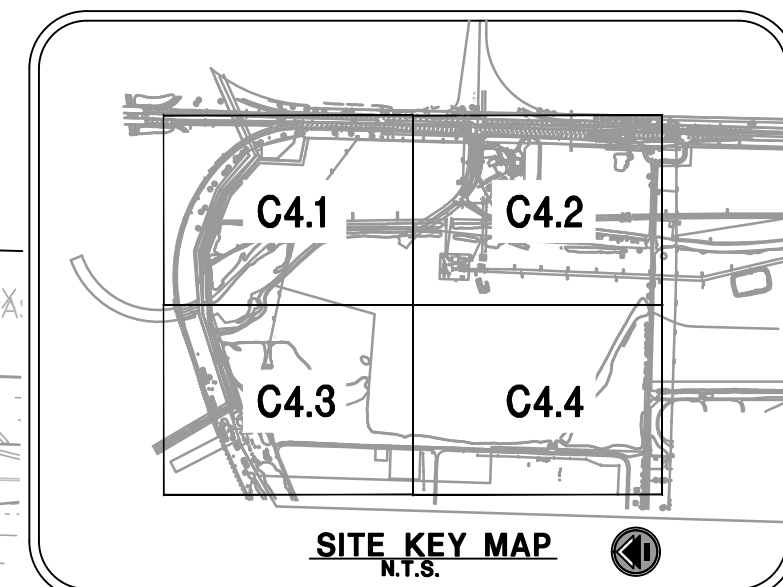
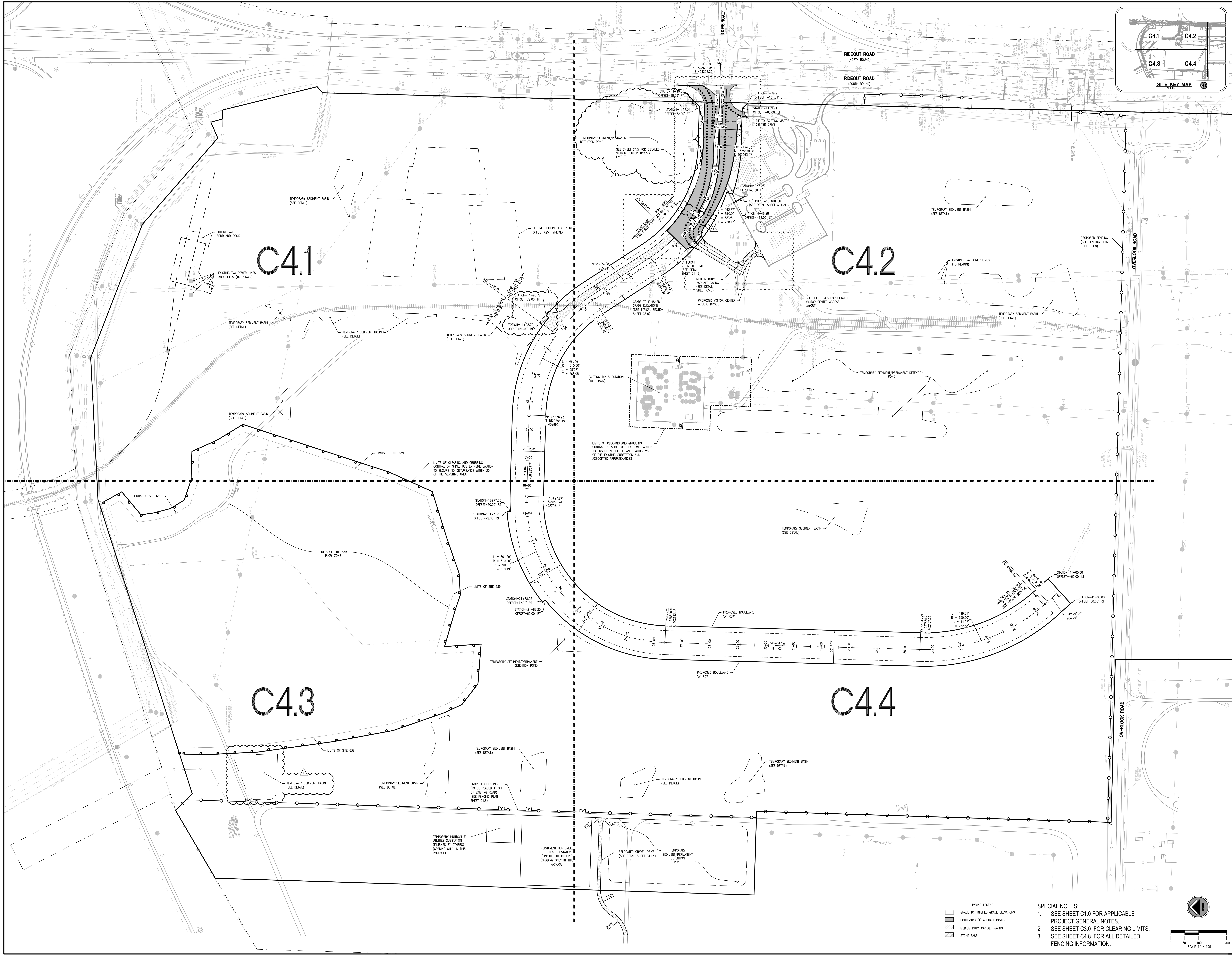


SPECIAL NOTES:

1. SEE SHEET C1.0 FOR APPLICABLE PROJECT GENERAL NOTES.
2. SEE FENCING PLAN SHEET C4.8 FOR ALL FENCING REMOVAL, RELOCATION, AND REPLACEMENT.
3. CONTRACTOR SHALL REPLACE THE RAILROAD STONE BALLAST AS TEMPORARY CONSTRUCTION ACCESS ROADS, EROSION CONTROL, ETC.
4. SEE TABLE AND MAP THIS SHEET FOR POLES TO BE SALVAGED AND STOCKPILED AND STOCKPILE LOCATION. ALL WOODEN POLES AND OVERHEAD LINES ARE TO BE REMOVED AND WILL BECOME THE PROPERTY OF THE CONTRACTOR.
5. SEE SHEET C4.6 FOR PHASING OF DEMOLITION AT VISITOR CENTER ACCESS.
6. SOME CLEARING FOR CLEAR ZONE MAY BE OUTSIDE LIMITS OF CLEARING. CONTRACTOR TO ENSURE THAT A CLEAR ZONE OF 50' IS PROVIDED ALONG PROPOSED FENCE. CONTRACTOR TO USE EXTREME CAUTION ALONG OVERLOOK ROAD DUE TO EXISTING UTILITIES AND FIBER OPTIC CABLES.

OVERALL DEMOLITION PLAN
REDSTONE GATEWAY
CITY OF HUNTSVILLE
HUNTSVILLE, ALABAMA

Date		10/22/2010	
Checked By		Drawn By	
RAN		BSJ	
Sheet Number		Sequence	
C3.0		4	



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302-10-002A

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Professional Engineer
No. 26754
11/29/2010

HUNTSVILLE
City of Huntsville, Alabama

**OVERALL LAYOUT PLAN
REDSTONE GATEWAY - PACKAGE 1A
CITY OF HUNTSVILLE,
HUNTSVILLE, ALABAMA**

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10/22/2010

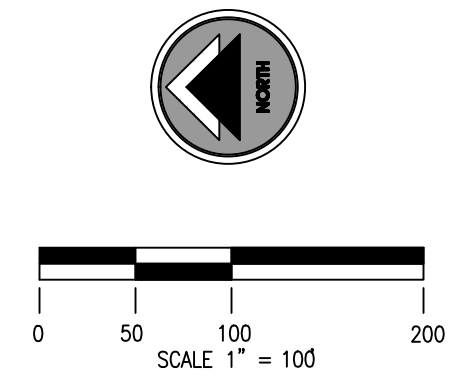
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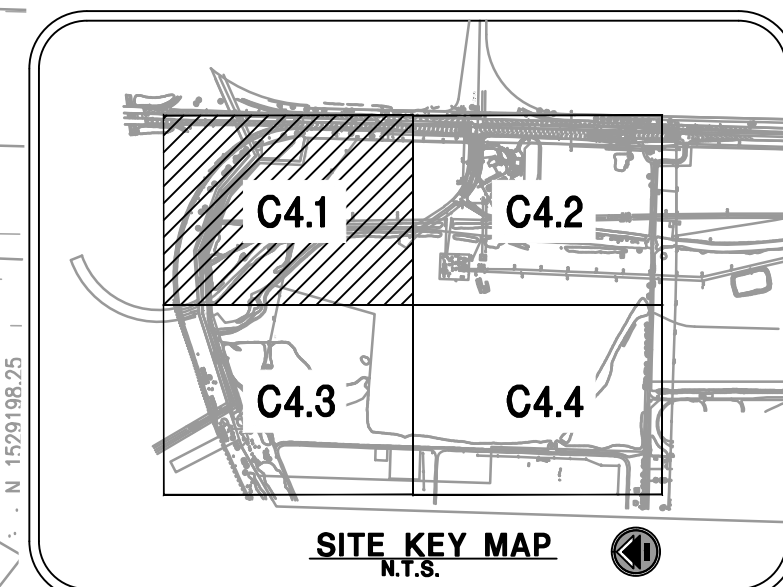
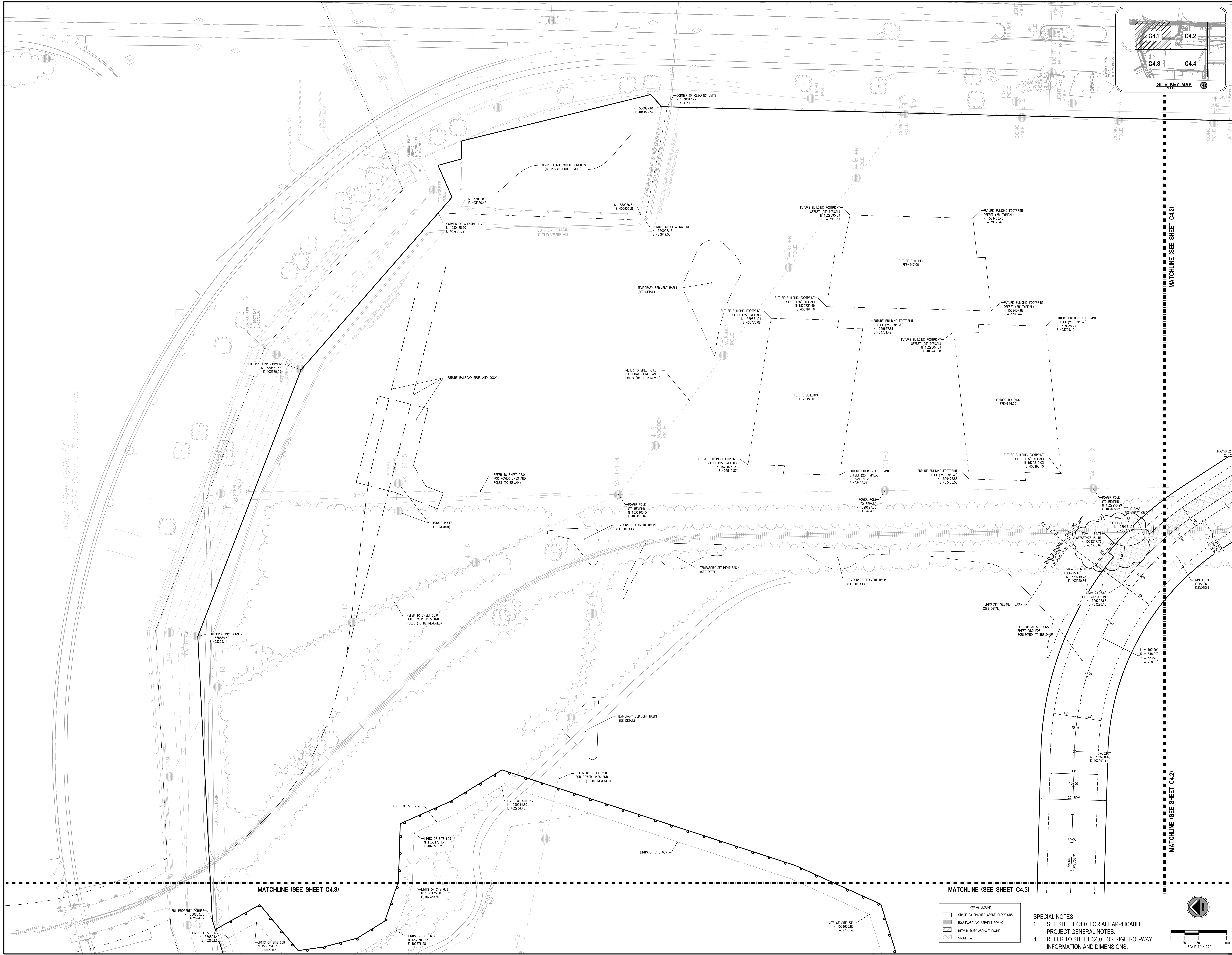
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PAVING LEGEND

[Symbol]	GRADE TO FINISHED GRADE ELEVATIONS
[Symbol]	BOULEVARD "A" ASPHALT PAVING
[Symbol]	MEDIUM DUTY ASPHALT PAVING
[Symbol]	STONE BASE

- SPECIAL NOTES:**
- SEE SHEET C1.0 FOR APPLICABLE PROJECT GENERAL NOTES.
 - SEE SHEET C3.0 FOR CLEARING LIMITS.
 - SEE SHEET C4.8 FOR ALL DETAILED FENCING INFORMATION.





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HUNTSVILLE
The Heart of Alabama

LAYOUT AND COORDINATE PLAN
REDSTONE GATEWAY - PACKAGE 1A
CITY OF HUNTSVILLE
HUNTSVILLE, ALABAMA

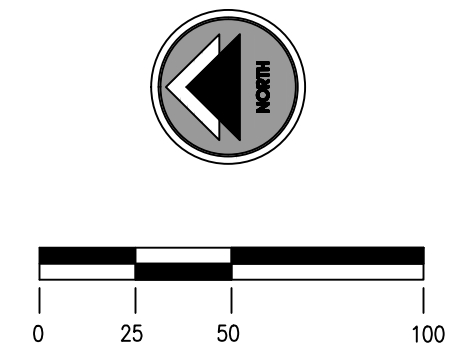
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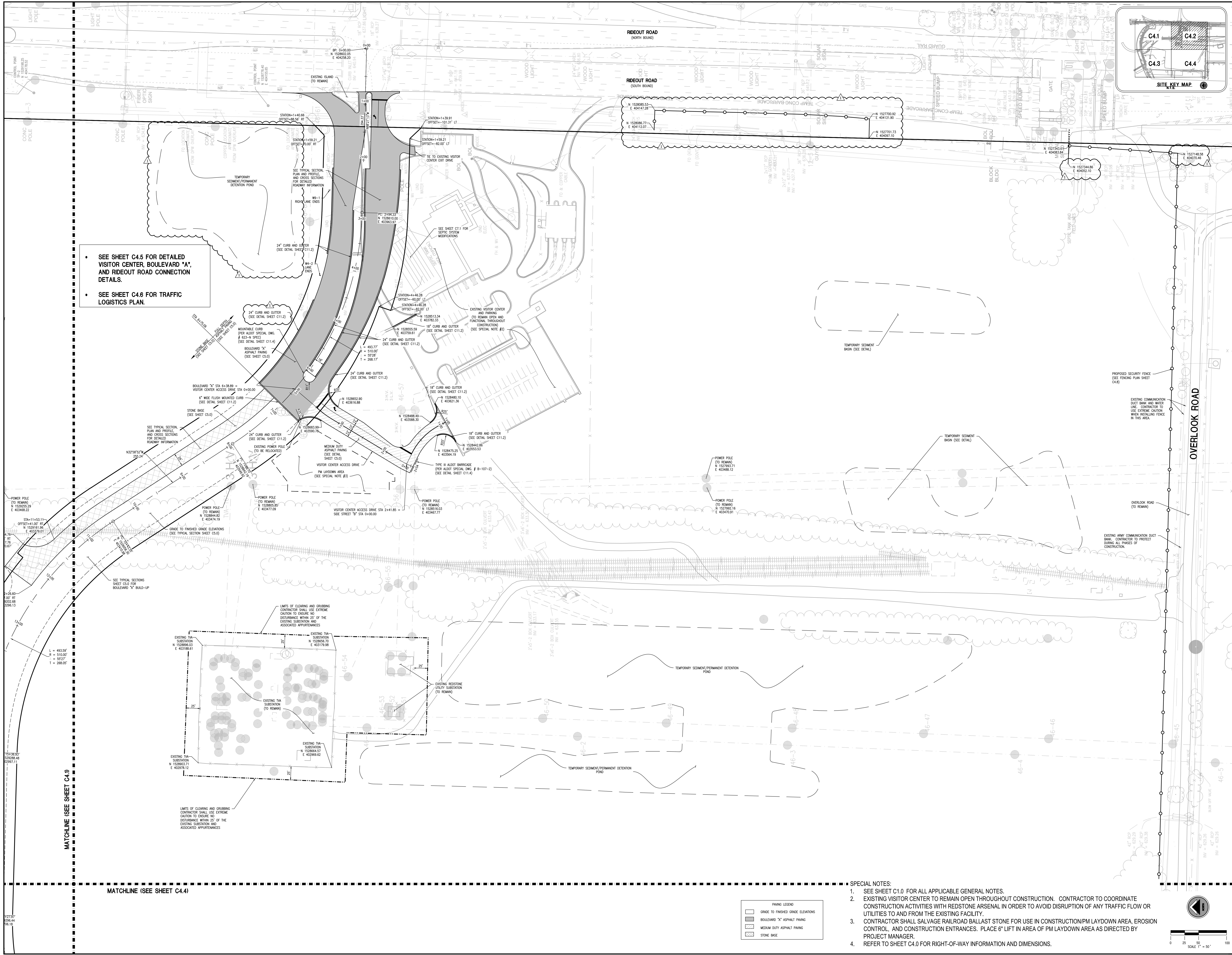
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Total Sheets: **42**

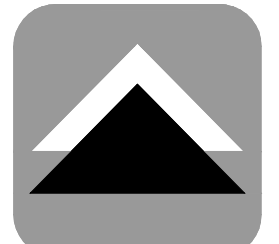
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[Symbol]	STONE BASE

SPECIAL NOTES:
1. SEE SHEET C1.0 FOR ALL APPLICABLE PROJECT GENERAL NOTES.
4. REFER TO SHEET C4.0 FOR RIGHT-OF-WAY INFORMATION AND DIMENSIONS.







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HUNTSVILLE
City of Huntsville

LAYOUT AND COORDINATE PLAN

REDSTONE GATEWAY - PACKAGE 1A

CITY OF HUNTSVILLE

HUNTSVILLE, ALABAMA

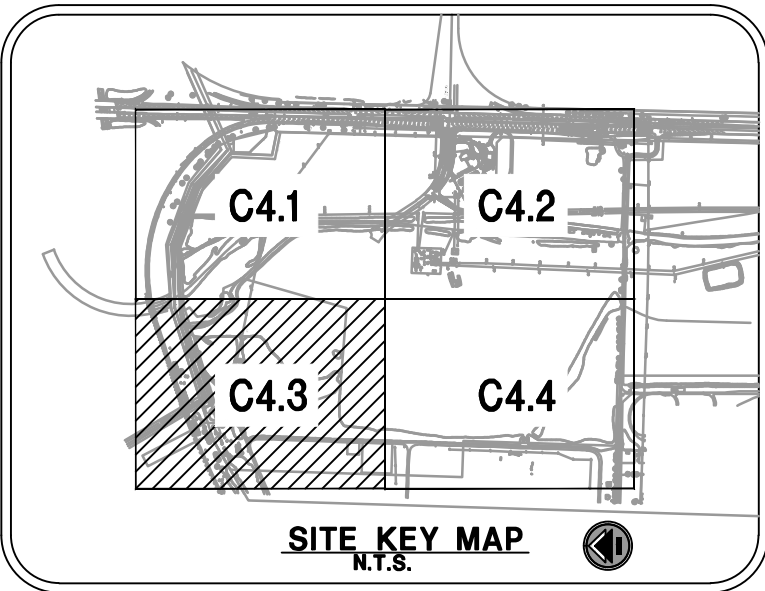
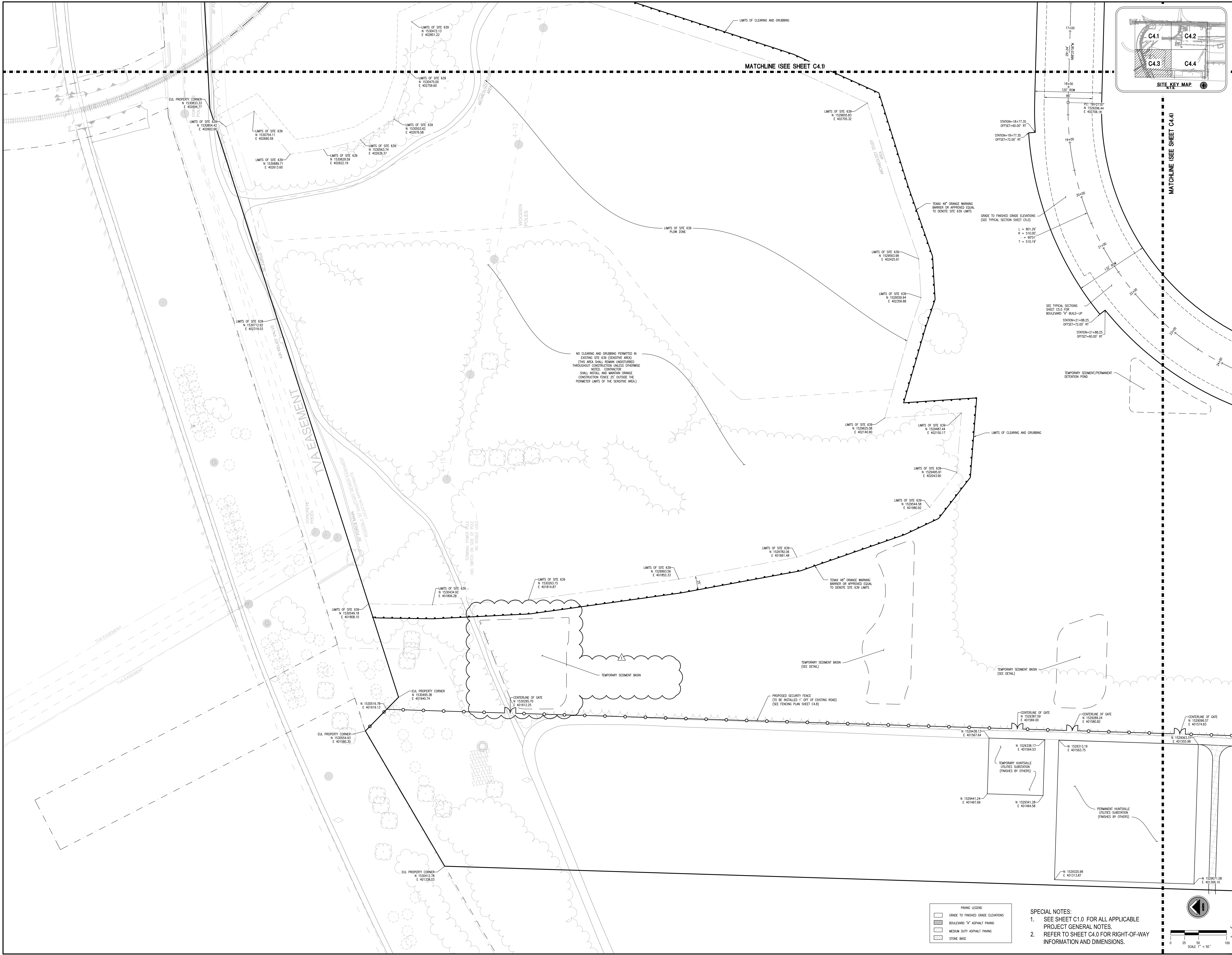
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Scale: 1" = 50'

North Arrow

Sheet Number: **C4.2**

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Professional Engineer
No. 26754
Professional
John R. Blythe
11/29/2010

HUNTSVILLE
The Heart of Alabama

LAYOUT AND COORDINATE PLAN
REDSTONE GATEWAY - PACKAGE 1A
CITY OF HUNTSVILLE,
ALABAMA

REV	DATE	BY	DESCRIPTION
1	10/22/2010	BSJ	ISSUED FOR PERMIT

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BSJ

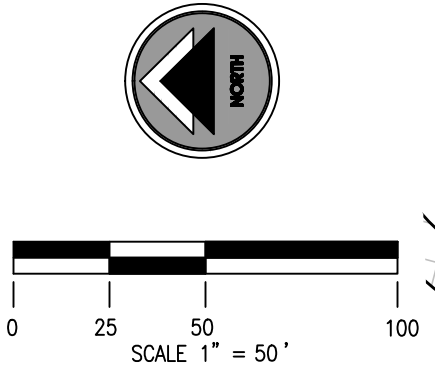
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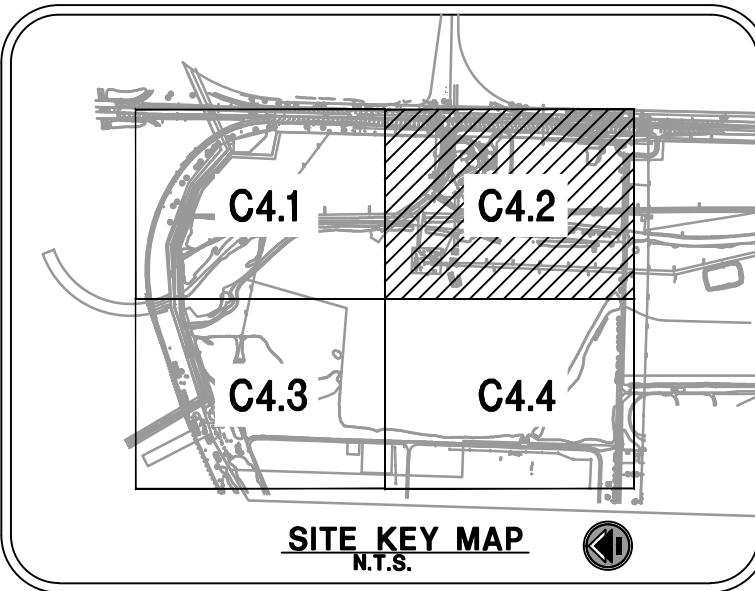
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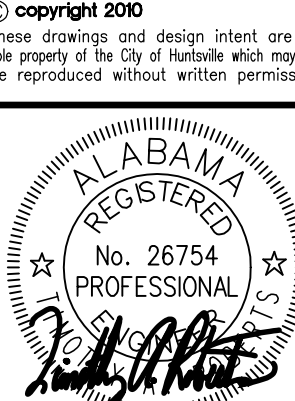
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[Symbol]	BOULEVARD "A" ASPHALT PAVING
[Symbol]	MEDIUM DUTY ASPHALT PAVING
[Symbol]	STONE BASE

SPECIAL NOTES:
1. SEE SHEET C1.0 FOR ALL APPLICABLE PROJECT GENERAL NOTES.
2. REFER TO SHEET C4.0 FOR RIGHT-OF-WAY INFORMATION AND DIMENSIONS.





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HUNTSVILLE

VISITOR CENTER ACCESS PLAN
REDSTONE GATEWAY -
CITY OF HUNTSVILLE
HUNTSVILLE, ALABAMA

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10/22/2010

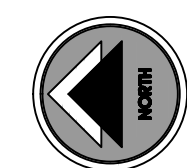
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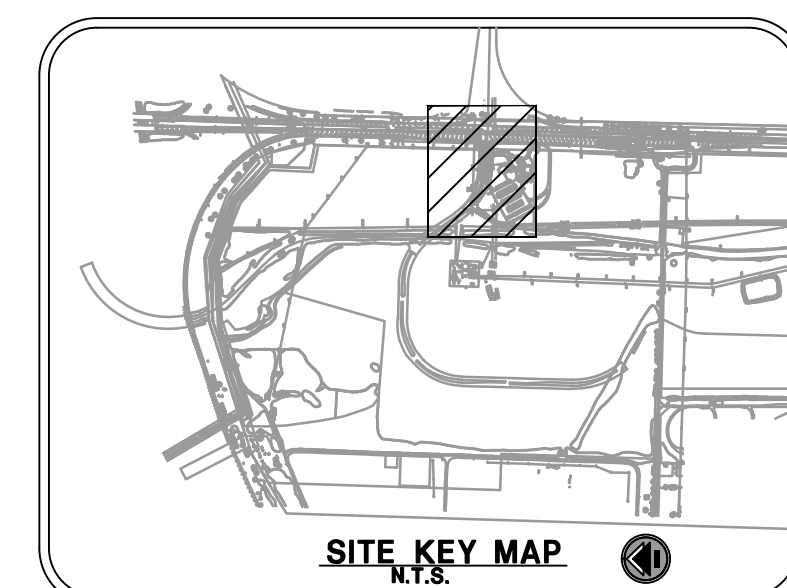
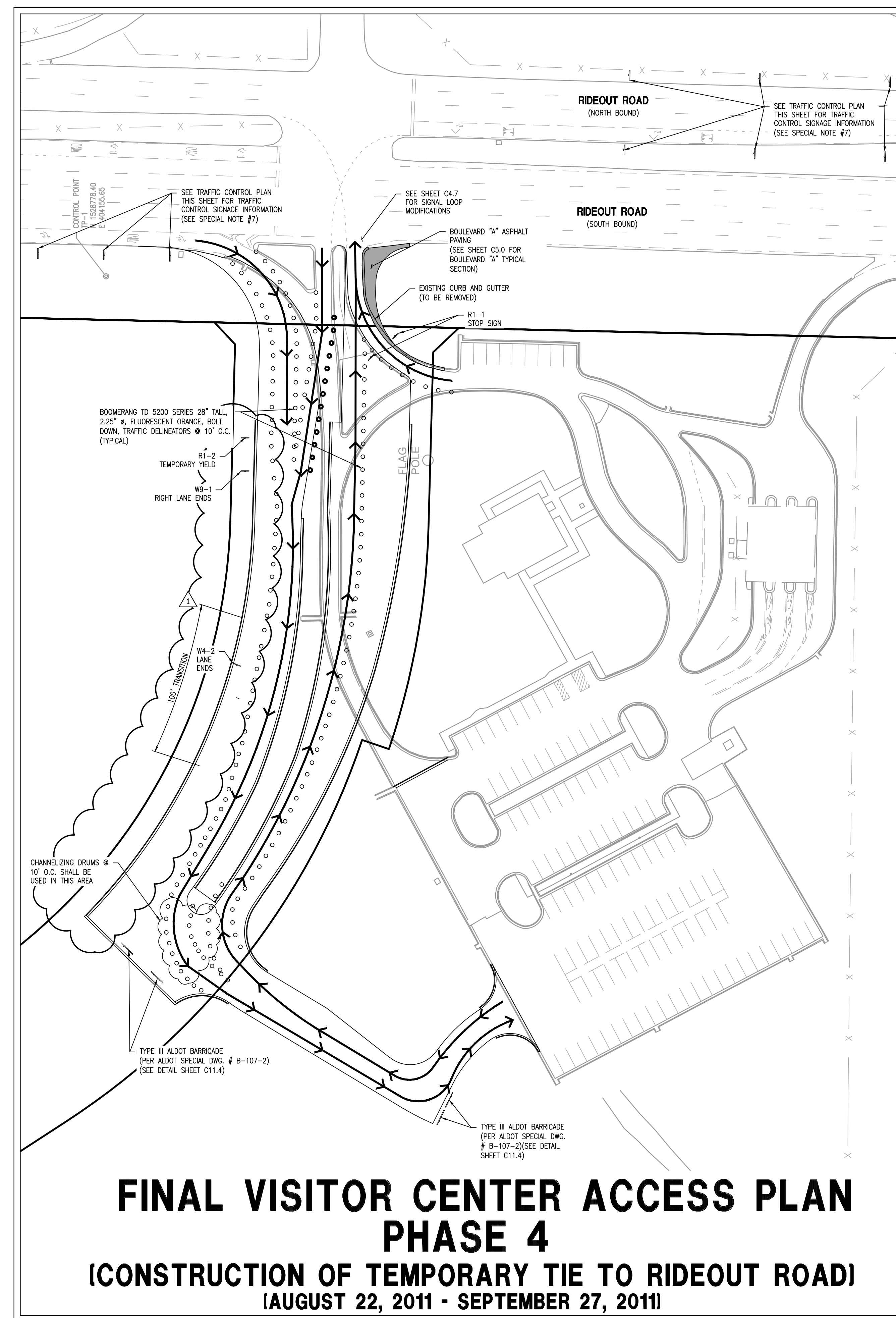
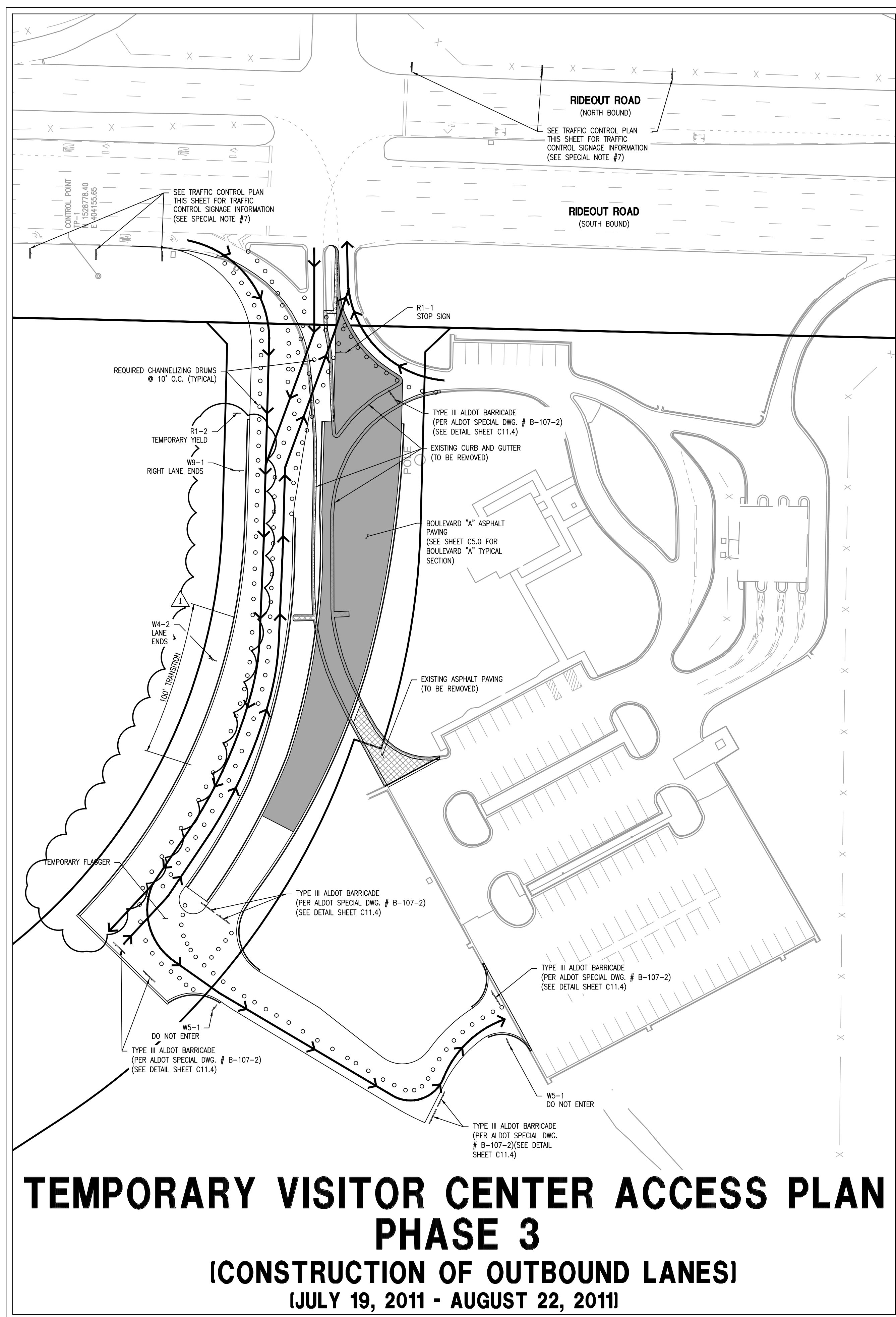
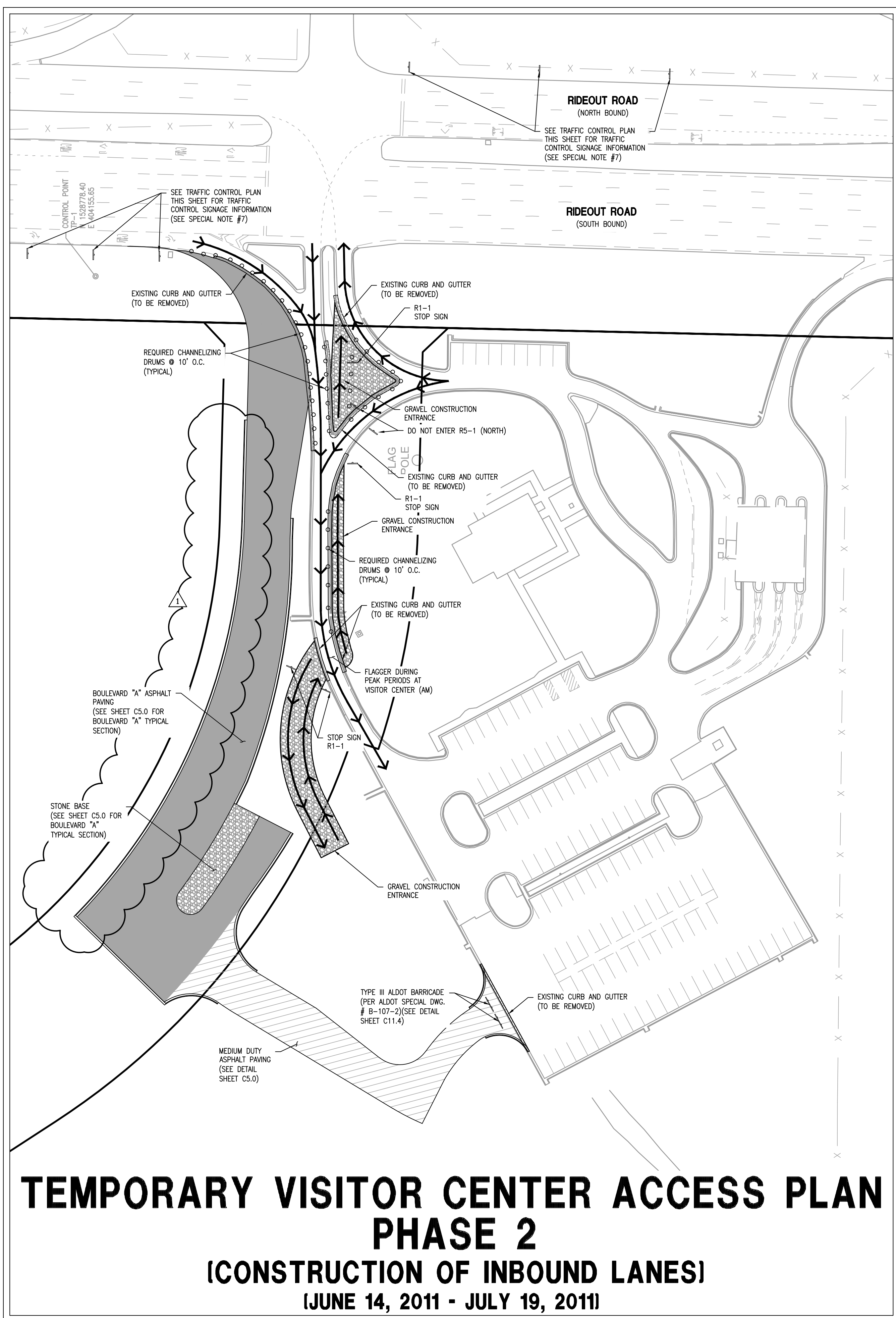
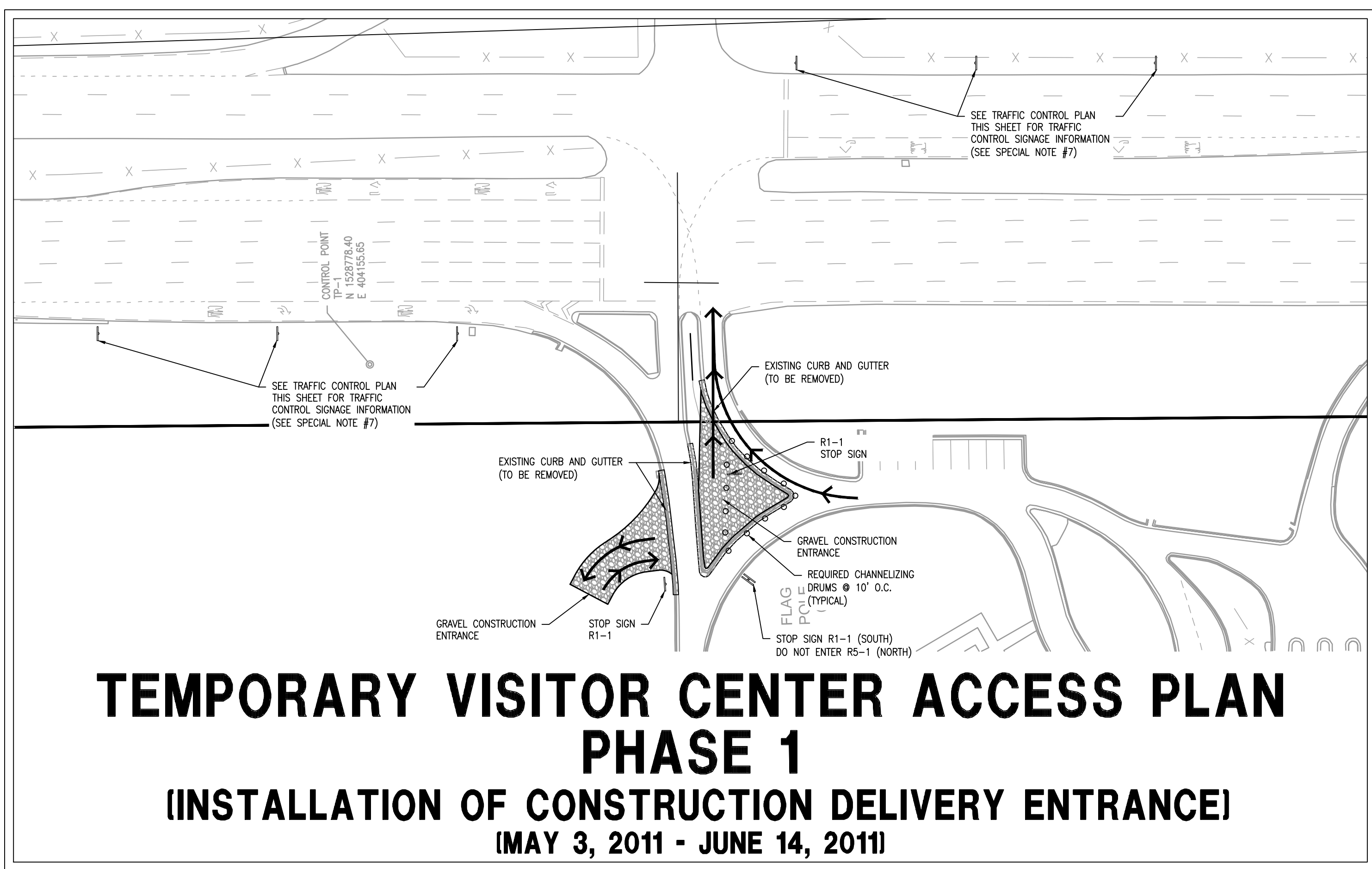
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SPECIAL NOTES:

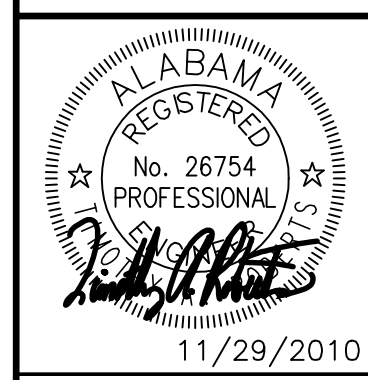
1. SEE SHEET C1.0 FOR ALL APPLICABLE GENERAL NOTES.
2. EXISTING VISITOR CENTER TO REMAIN OPEN THROUGHOUT CONSTRUCTION. CONTRACTOR TO COORDINATE CONSTRUCTION ACTIVITIES WITH REDSTONE ARSENAL IN ORDER TO AVOID DISRUPTION OF ANY TRAFFIC FLOW OR UTILITIES TO AND FROM THE EXISTING FACILITY.
3. CONTRACTOR SHALL PROVIDE 12" GALVALUME STONE FOR USE IN CONSTRUCTION/PM LAYDOWN AREA, EROSION CONTROL, AND CONSTRUCTION ENTRANCES. PLACE 6" LIFT IN AREA OF PM LAYDOWN AREA AS DIRECTED BY PROJECT MANAGER.
4. SEE SHEET C4.6 FOR TRAFFIC LOGISTIC PLAN.
5. SHOP DRAWINGS SHALL BE SUBMITTED FOR BOOMERANG TO 5200 SERIES FLUORESCENT ORANGE, BOLT DOWN TRAFFIC DELINEATORS AND INSTALL PER MANUFACTURER'S REQUIREMENTS.
6. REFER TO SHEET C4.0 FOR RIGHT-OF-WAY INFORMATION AND DIMENSIONS.



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	42



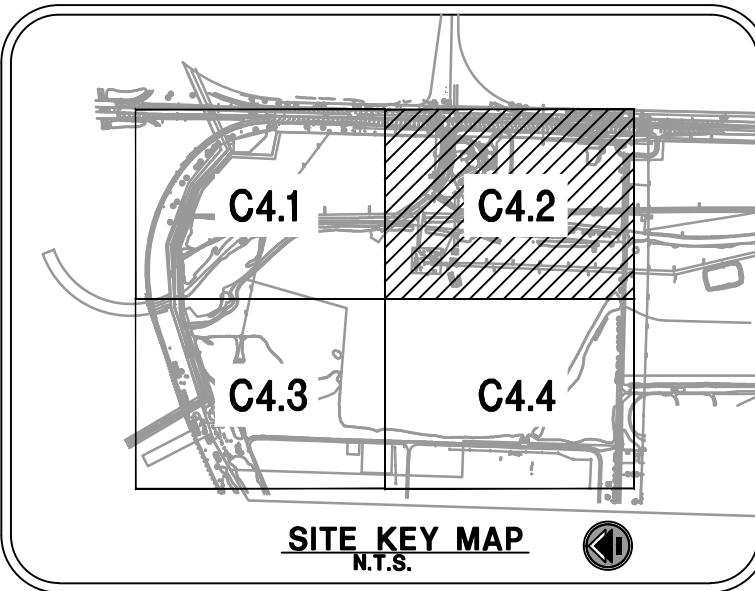
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**TRAFFIC LOGISTICS PLAN - VISITOR CENTER ACCESS AND CONSTRUCTION ACCESS
REDSTONE GATEWAY - PACKAGE 1A
CITY OF HUNTSVILLE
HUNTSVILLE, ALABAMA**

REV	DATE	DESCRIPTION	APPROVED BY	DATE
1	10/22/2010	ISSUED FOR CONSTRUCTION	BSJ	10/22/2010

Sheet Number: C4.6
Reference: 1111 42



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11/29/20



STRIPING AND SIGNAGE PLAN
REDSTONE GATEWAY - PACKAGE 1A
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HUNTSVILLE, ALABAMA

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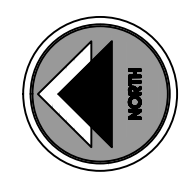
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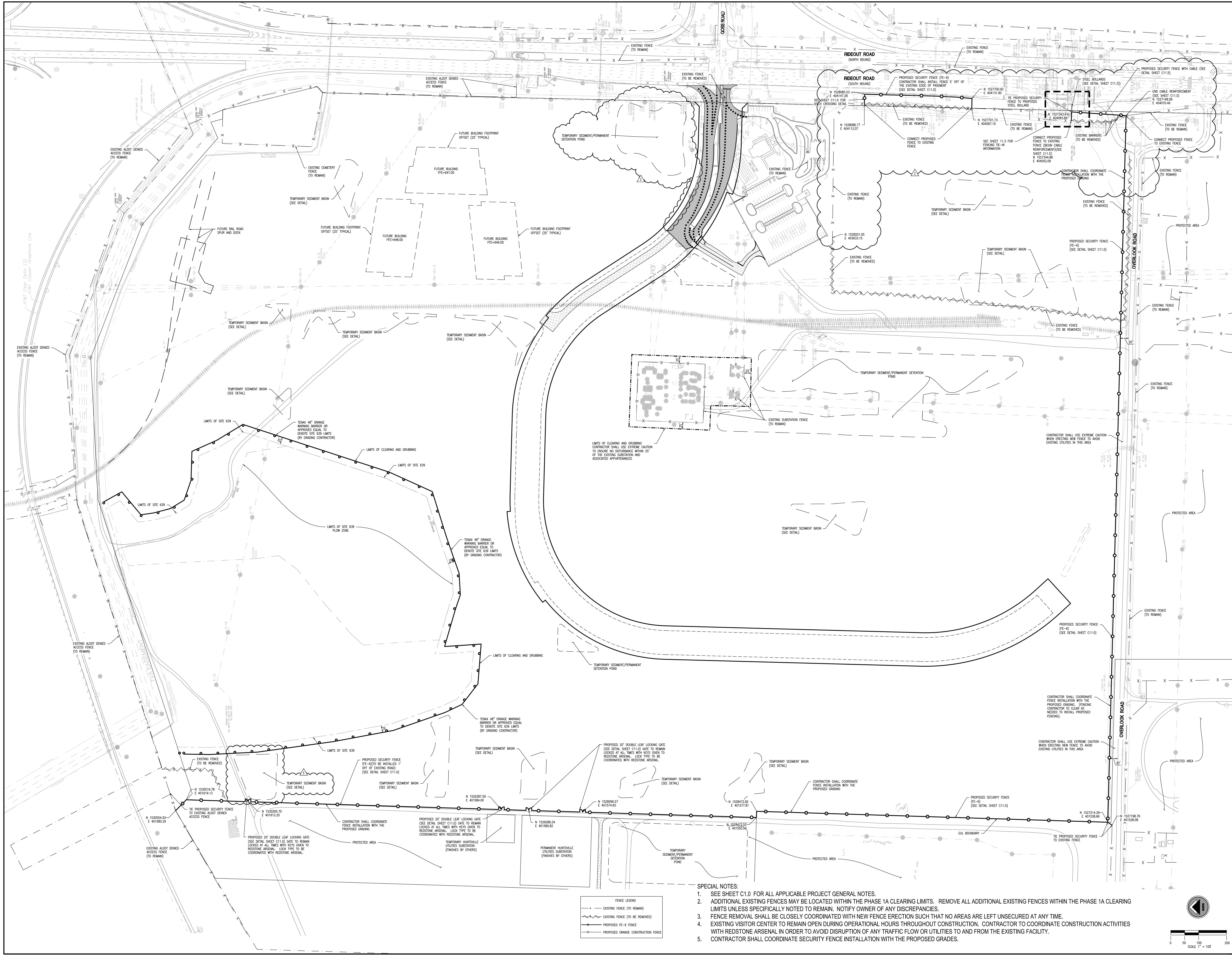
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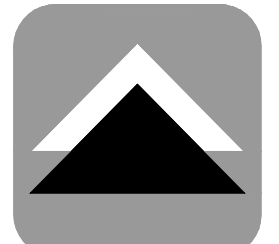
- ## SPECIAL NOTES

1. SEE SHEET C1.0 FOR ALL APPLICABLE GENERAL NOTES.
2. EXISTING VISITOR CENTER TO REMAIN OPEN DURING OPERATIONAL HOURS THROUGHOUT CONSTRUCTION. CONTRACTOR TO COORDINATE CONSTRUCTION ACTIVITIES WITH REDSTONE ARSENAL IN ORDER TO AVOID DISRUPTION OF ANY TRAFFIC FLOW OR UTILITIES TO AND FROM THE EXISTING FACILITY.
3. CONTRACTOR SHALL SALVAGE RAILROAD BALLAST STONE FOR USE IN CONSTRUCTION/PM LAYDOWN AREA, EROSION CONTROL, AND CONSTRUCTION ENTRANCES. PLACE 6" LIFT IN AREA OF PM LAYDOWN AREA AS DIRECTED BY PROJECT MANAGER.
4. SEE SHEET C4.6 FOR TRAFFIC LOGISTIC PLAN.
5. SEE SHEET C4.5 FOR ALL CHANNELIZING DRUMS, DELINEATOR POSTS, ETC.



C4.7	Total
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11/29/2010

HUNTSVILLE
City of Huntsville, Alabama

FENCING PLAN

REDSTONE GATEWAY - PACKAGE 1A

CITY OF HUNTSVILLE, ALABAMA

REV	DATE	BY	CHKD	DESCRIPTION
1	10/22/2010	RAN	BSJ	ISSUED FOR PERMIT

Date: 10/22/2010

Drawn By: RAN
Checked By: BSJ

Sheet Number: C4.8
Total Sheets: 42

- SPECIAL NOTES:**
- SEE SHEET C1.0 FOR ALL APPLICABLE PROJECT GENERAL NOTES.
 - ADDITIONAL EXISTING FENCES MAY BE LOCATED WITHIN THE PHASE 1A CLEARING LIMITS. REMOVE ALL ADDITIONAL EXISTING FENCES WITHIN THE PHASE 1A CLEARING LIMITS UNLESS SPECIFICALLY NOTED TO REMAIN. NOTIFY OWNER OF ANY DISCREPANCIES.
 - FENCE REMOVAL SHALL BE CLOSELY COORDINATED WITH NEW FENCE ERECTION SUCH THAT NO AREAS ARE LEFT UNSECURED AT ANY TIME.
 - EXISTING VISITOR CENTER TO REMAIN OPEN DURING OPERATIONAL HOURS THROUGHOUT CONSTRUCTION. CONTRACTOR TO COORDINATE CONSTRUCTION ACTIVITIES WITH REDSTONE ARSENAL IN ORDER TO AVOID DISRUPTION OF ANY TRAFFIC FLOW OR UTILITIES TO AND FROM THE EXISTING FACILITY.
 - CONTRACTOR SHALL COORDINATE SECURITY FENCE INSTALLATION WITH THE PROPOSED GRADES.